



City of Loma Linda Official Report

Floyd Petersen, Mayor
Stan Brauer, Mayor pro tempore
Robert Christman, Councilmember
Robert Ziprick, Councilmember
Charles Umeda, Councilmember

COUNCIL AGENDA: May 23, 2006

TO: City Council

VIA: Dennis R. Halloway, City Manager

FROM: W. James Hettrick, Director of Information Systems
Deborah Woldruff, Director of Community Development

SUBJECT: AMENDMENT THE CONTRACT WITH ALPHA ENERGY FOR CARPORT
STURCTURES UPGRADES FOR CIVIC CENTER FACILITIES.

RECOMMENDATION:

It is recommended that the City Council approve the amendment to the contract to Alpha Energy, for the installation of four (4) utility-interconnected photovoltaic (PV) systems at the Loma Linda Civic Center facilities.

BACKGROUND:

On December 13, 2005, the City Council awarded the contract to Alpha Energy for a solar photovoltaic (PV) system to be installed on the Civic Center, Senior Center, Library and Fire Station. The initial design included covered parking in the south parking lot. However the structures themselves were very industrial in appearance. Alpha submitted five optional carport structure designs. In April 2006, the project was reviewed by the Administrative Review Committee (ARC) and Community Development Department for the changes of carport design. Staff and ARC recommend approval of the proposed changes.

ANALYSIS:

The proposed contract amendment is to change the solar panel carport for a design that will be more attractive and compatible with the Civic Center. The new design will relocate the support columns to the front section of the canopies thereby creating a cantilever style design. The new style will provide improved vehicle maneuvering space and more aesthetically pleasing architecture.

The proposed carports each have two columns separated by two feet with horizontal bracing crossbars to provide strength and stability. The product will be constructed out of aluminum

metal with a "powder-coat" protection. The overall height of the structure is approximately nine (9) feet tall. The columns will be placed at every two parking stalls (approximately 20 feet apart). The structures will be in consistent with the City Hall building color (light sand-beige).

The cost of the newly designed carports is \$108,529.35. The new design is much more attractive than original design and will provide continuity with the design of the Civic Center.

ENVIROMENTAL:

CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) STATUS

The original contract is exempt from California Environmental Quality Act (CEQA) pursuant to the CEQA Guidelines Section 15303(e), which provides a Class 3 Categorical Exemption from CEQA for the construction of accessory structures including garages, carports, patios, swimming pools, and fences. The amendment is within the scope of the original contract and no further environmental review is required.

FINANCIAL IMPACT:

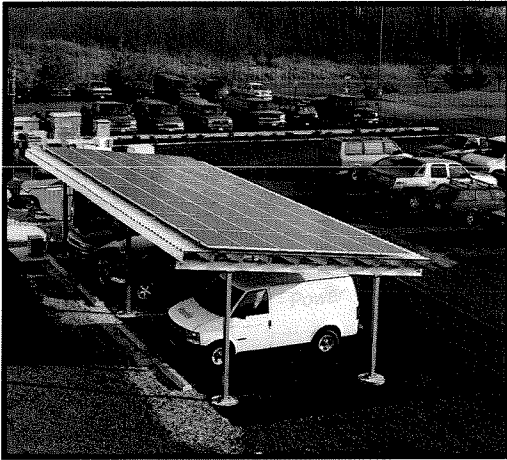
Funding will be provided from account no 77-1800-5800

Amendment Total is \$108,529.35

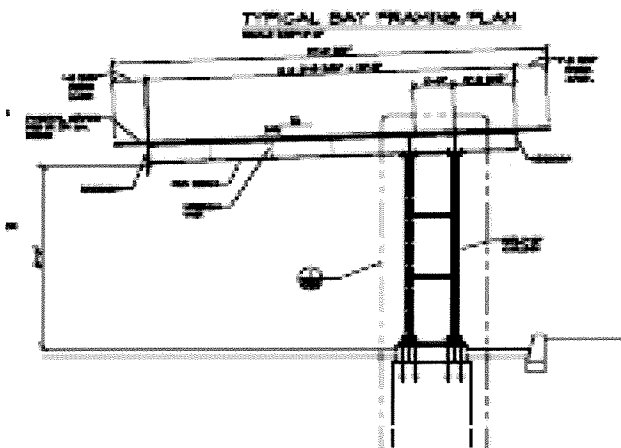
Attachments:

- A) Sample Photos
- B) Alpha Proposal

Original



Proposed





Alpha Technologies Services, Inc.
10 Windward Street
PO Box 2017
Fremont, NV 89408
USA
Tel: 775 324 5470
Fax: 775 324 5734
www.alpha-tech.com

April 27, 2006

James Hettrick
Director of Information Systems
City of Loma Linda
25541 Barton Rd.
Loma Linda, CA 92354

Dear Mr. Hettrick,

I am pleased to provide you with a binding quote to upgrade the parking structures associated with the Civic Center PV Project (Loma Linda PO # p-0000003734, Req.# R01150-00236). The pricing below will be valid for a period of thirty (30) days from the date of this letter. Upon your acceptance of this quote, please provide Alpha Technologies Services, Inc. with a legally binding purchase order. This form must also be signed by a representative or authorized purchasing agent of the City of Loma Linda.

The following pricing shall be included on your purchase order:

Item	Description	Price
1	Parking Structure Material Upgrade <ul style="list-style-type: none">❖ Change from Trim Line to Offset-T (Cantilever) Design❖ Increased quantity and size of structural members❖ Fluorescent Lighting under canopies	\$46,647.51
2	Parking Structure Installation Upgrade <ul style="list-style-type: none">❖ Increased depth/diameter of footings❖ Increased labor requirements❖ Entire structure primed and painted❖ Lighting fixtures installed and wired	\$58,266.66
SUBTOTAL		\$104,914.17
ESTIMATED SALES TAX (7.75% of Item 1)		\$3,615.18
TOTAL PURCHASE ORDER AMOUNT		<u>\$108,529.35</u>

Payment Terms

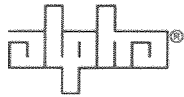
Payments shall be made on a NET 30 Days basis from the time the invoice is received. Hardware will be invoiced upon delivery. The installation will be invoiced monthly based on percent of installation completed at that time. No payments shall be contingent upon your receipt of funds from any sources including the Southern California Gas Company.

Terms and Conditions of Sale

The detailed terms and conditions of this sale are included in Appendix A.

Warranty & Maintenance

All manufacturer-supplied warranties apply to PV system hardware. The installation materials & workmanship shall be warranted for a period of five (5) years from the time of system commissioning. Annual preventive maintenance is recommended and will be negotiated separately from this contract.



Alpha Technologies Services Inc.
15 West Main Street
PO Box 2017
Fremley NV 55408
USA
Tel: 775 324 5470
Fax: 775 324 5714
www.alpha.com

(continued next page)

Sincerely yours,

Fred Goodridge
Director, Alpha Technologies Services

By signing below, both parties agree to the terms and pricing stated in this binding quote.

"Buyer" (City of Loma Linda) Representative:

Seller (Alpha Technologies Services) Representative:

Signature

Signature

Name of Signer (Printed)

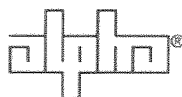
Name of Signer (Printed)

Title of Signer

Title of Signer

Date

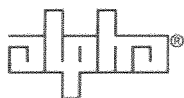
Date



Alpha Technology, Inc. is located at
45 West Main Street
PO Box 201
Camden NJ 09408
USA
Tel: 856 324 5470
Fax: 856 324 5734
E-MAIL: info@alphatech.com

Appendix A: Terms and Conditions of Sale

1. **Formation of Contract.** The buyer or customer ("Buyer") listed on the reverse side of these Terms of Sale will be deemed to have irrevocably accepted these Terms of Sale upon Buyer's acceptance of any of the goods described on the front (the "Goods"), without regard to whether Buyer makes or may make any inspection with respect to such Goods. Any term of Buyer's order in any communication from Buyer, which is in any way inconsistent with or in addition to these Terms of Sale, will not be applicable to or binding upon Seller. If Buyer objects to any of these Terms of Sale such objections must be in writing and received by Seller at the address stated on the front prior to commencement of performance by Seller, and will not be binding on Seller unless agreed to in writing by an authorized representative of Seller. Seller's failure to react to terms contained in any communication from Buyer will not be deemed to be a waiver of these Terms of Sale.
2. **Prices.** Invoiced prices will be based upon Seller's prices in effect at the time an order is received by Seller. Prices shall be Ex Works, (as the term "EX WORKS" is defined by INCOTERMS, 1990 ed.) unless otherwise specified on the front. Prices do not include any state, federal or use taxes, duties, fees or charges now or hereafter enacted, applicable to the Goods or to this transaction, all of which taxes and duties will be Buyer's responsibility. Any prices quoted by Seller are subject to change by Seller at any time upon not less than 10 days prior notice to Buyer.
3. **Payment Terms.** If Seller extends credit to Buyer, terms of payment will be net 30 days after date of invoice. After the due date, the lesser of 1+% of the unpaid price (annual rate of 18%) or the maximum late payment penalty charge or interest rate permitted by law will be added for each month or part thereof that payment is delayed. Seller has the right at any time to change the amount of credit or terms of payment or to withdraw credit and to require partial or full payment in advance as a condition of making further shipments. Goods held thereafter by Seller or by Seller's carrier for Buyer will be at Buyer's sole risk and expense. Buyer will pay all of Seller's costs and expenses (including reasonable attorney's fees) to enforce or preserve Seller's rights hereunder, whether or not an action is commenced.
4. **Risk of Loss and Delivery Title.** Liability for loss or damage passes to Buyer when Seller delivers the Goods on dock. Seller has the right to deliver in installments. Shipping and delivery dates are approximate only. Seller will not be liable for any loss or expense (consequential, incidental or otherwise) incurred by Buyer if Seller fails to meet such dates for any reason, including, but not limited to, the contingencies stated in paragraph 8. Delays in delivery, conformity or late delivery of an installment will not relieve Buyer of its obligations hereunder with respect to any other installments, each installment being deemed to be a separate contract. Seller reserves a purchase money security interest in the Goods sold and its proceeds in the amount of the purchase price. In the event of default by Buyer in any of its obligations to Seller, Seller will have the right to repossess the Goods sold without liability to Buyer. Buyer agrees that a copy of the invoice utilized in connection with the purchase of Goods may be filed with appropriate authorities at any time as a financing statement and/or chattel mortgage to perfect Seller's security interest in the Goods sold. Buyer hereby authorizes Seller to execute and file, at any time, one or more financing statements with respect to such items, signed only by the Seller, who is hereby appointed Buyer's attorney-in-fact for such limited purpose.
5. **Shipment.** In the absence of specific shipping instructions on the front, Seller will ship the Goods by the method it deems most advantageous, EX WORKS, as specified in paragraph 2. Transportation charges will be collected on delivery or, if prepaid, will be subsequently invoiced to Buyer. Unless otherwise indicated on the face hereof, Buyer is obligated to obtain insurance against damage to the Goods being shipped. Unless otherwise specified on the face hereof, the Goods will be shipped in standard commercial packaging. When special or export packaging is requested or, in the opinion of Seller, required under the circumstances, the cost of the same, if not set forth on the invoice, will be separately invoiced. Claims or tracers upon carrier must be filed by Buyer, and Seller will assist in tracing shipments upon request.
6. **Inspection and Acceptance.** Goods will be conclusively deemed accepted by Buyer unless a notice of rejection has been sent by Buyer within a 15 day period. Rejected Goods will be placed by Buyer in safe storage for inspection by Seller.
7. **Change Orders.** Buyer may not cancel any orders, revise quantity, deviate from specifications or shipping schedules unless and only by mutual agreement as to recovery by Seller for applicable charges which will take into account expenses incurred and/or commitments made by the Seller in faithful execution of any orders. "Holds" for purchase order releases must be submitted in writing at least 30 days prior to release date. Buyer will pay Seller a restocking fee equal to 15% of the purchase price of the Goods on all orders canceled or returned for credit or refund. Seller reserves the right to refuse acceptance of any Goods returned for credit or a refund, except as is otherwise specified herein.
8. **Contingencies.** Seller will not be liable for any delay in performance or for nonperformance in whole or in part caused by the occurrences of any contingency beyond the control either of Seller or Seller's suppliers, including but not limited to, war (whether an actual declaration is made or not), sabotage, insurrection, riot or other act of civil disobedience, act of a public enemy, failure or delay in transportation, act of government or any government of any agency or subdivision thereof affecting the terms of this contract of otherwise, judicial action, labor dispute, accident, fire, explosion, flood, storm or other Act of God, shortage of labor, fuel, raw materials, tools, dies or equipment, or technical or yield failure.
9. **Substitutions and Modification of Goods.** Seller has the right to modify the specifications of Goods designed by Seller and substitute substantially equivalent Goods manufactured to such modified specifications. Seller reserves the right to discontinue particular models and to make modifications in design and/or function at any time, without notice and without incurring obligations to modify previously purchased Goods.
10. **Warranties.** Seller warrants the Goods to be free of manufacturing defects in material and workmanship, as fully described on the warranty statement in the product operator's manual, and fully incorporated herein by this reference. Seller warrants good title to any hardware furnished under this contract. Seller warrants that services will be performed in a good and workmanlike manner. Seller also warrants that during the Warranty Period as defined below, each Item Seller delivers (other than separately licensed software and services) will be free from material defects in workmanship and materials and under ordinary use, conform in all material respects to its published specifications current at the time the Item was shipped.
11. **Limitation of Liability.** EXCEPT FOR CLAIMS FOR PERSONAL INJURY CAUSED BY ITEMS FURNISHED HEREUNDER, SELLER SHALL NOT BE LIABLE TO PURCHASER OR ANY OTHER PERSON OR ENTITY FOR INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE, OR EXEMPLARY DAMAGES ARISING OUT OF OR IN CONNECTION WITH THIS TRANSACTION OR ANY ACTS OR OMISSIONS ASSOCIATED THEREWITH OR RELATING TO THE SALE OR USE OF ANY ITEMS OR SERVICES FURNISHED, WHETHER SUCH CLAIM IS BASED ON BREACH OF WARRANTY, CONTRACT, TORT OR OTHER LEGAL THEORY AND REGARDLESS OF THE CAUSES OF SUCH LOSS OR DAMAGES OR WHETHER ANY OTHER REMEDY PROVIDED HEREIN FAILS. IN NO EVENT SHALL OUR TOTAL LIABILITY UNDER THIS CONTRACT EXCEED AN AMOUNT EQUAL TO THE TOTAL AMOUNT PAID FOR ITEMS PURCHASED HEREUNDER.
12. **Termination.** This contract may not be terminated by Buyer without Seller's prior written consent. If Seller consents to such termination, Buyer will be liable for termination charges including, without limitation, a price adjustment based on the quantity of Goods actually delivered and all costs, direct, incurred and committed for this contract together with reasonable allowance for prorated expenses and anticipated profits.
13. **Seller's Right to Cancel.** Seller has the right to cancel this contract if (i) Buyer breaches any of its obligations hereunder, or (ii) in Seller's sole judgment, Buyer's financial condition does not justify the terms of payment applicable from time to time and Buyer will not immediately comply with any modification of payment terms required by Seller in accordance with Section 3. If Seller exercises such right to cancel, Buyer will be liable for the charges and costs referred to in Section 3 in addition to any other remedies Seller may have hereunder or at law.
14. **Waiver.** In the event of any default or breach by Buyer, Seller has the right to refuse to make further shipments. Seller's failure to enforce at any time or for any period of time any of the provisions of this contract will not constitute a waiver of such provisions or of the right of Seller to enforce each and every provision.
15. **Governing Law.** The validity, construction and performance of this contract and the transactions to which it relates will be governed by the laws of the State of Washington without regard to conflict of law principles. Subject to Section 20(b) all actions, claims of legal proceedings in any way pertaining to this contract, or such transactions will be commenced and maintained in federal court in the Western District of Washington, and the parties hereto each agree to submit themselves to the jurisdiction of such court.
16. **Government Contracts.** If the Goods to be furnished hereunder are to be used in the performance of a United States Government contract or subcontract, Buyer will notify Seller in writing at the time of the order, and will provide Seller with a United States Government contract number, as well as a copy of the applicable United States Government Contract. If Buyer's order is accepted by Seller, those clauses of the applicable United States Government procurement regulation which are mandatorily required by federal statute to be included in United States Government subcontracts will be deemed incorporated herein by reference and will control if inconsistent with any provisions of this contract.
17. **Assignment.** This contract is not assignable by either party, except that the Seller has the right to assign this contract to an affiliate or to the purchaser of all or substantially all of its assets, and Seller has the right to assign accounts receivable or the proceeds of this contract. Subject to the foregoing, this contract is binding upon and inures to the benefit of the parties hereto and their permitted successors and assigns. Nothing in this contract will inure to the benefit of or be deemed to give any rights to any third party, whether by operation or law or otherwise.
18. **Severability.** If any of these Terms of Sale is declared to be invalid by a court, agency, commission or other tribunal or entity having jurisdiction, the applications of such provisions to parties or circumstances other than those as to which it is held invalid or unenforceable will not be effected and each term not so declared invalid or unenforceable will be valid and will be enforced to the fullest



Alpha Technology Services, Inc.
40 West Main Street
PO Box 2017
Hendry NV 89408
USA
Tel: 775 324 5470
Fax: 775 324 5134
E-MAIL: info@alpha.com

extent permitted by law and the rights and obligations of the parties will be construed and enforced as though a valid commercially reasonable term consistent with the undertakings of the parties under the order has been substituted in place of the invalid provision.

19. Set-Off. Buyer may not set-off any amount owing from Seller to Buyer against any amount payable by Buyer to Seller whether or not related to this contract.

20. Provisions Applicable to International Orders. The following additional terms and conditions shall apply to orders from parties domiciled outside of the United States of America, or which are to be ultimately shipped (either by Seller or Buyer) to destinations outside of the United States of America: (a) Compliance with Laws. At Seller's request, Buyer shall identify in writing the country or countries into which the Goods will be shipped or in which they will be installed or used (the "Territory"). Buyer shall not ship, install or use the Goods anywhere other than in the Territory, and shall be solely responsible for compliance with any applicable laws and regulations of the Territory and/or the United States regarding the export, import, sale or use of the Goods, or the labeling thereof, or which are in any way applicable to Buyer's responsibilities or rights under this Agreement, including, without limitation, the United States Foreign Corrupt Practices Act (which prohibits certain payments to government officials or their agents or instruments). Without limiting the generality of the foregoing, Buyer shall be solely responsible for (i) obtaining and maintaining, and for complying with, any required registrations, permits, licenses, and/or approvals (collectively, the "Approvals") which may be required or necessary to install, market, sell, promote or use the Goods in the Territory, or to conduct Buyer's business in the Territory; and (ii) if Buyer sells or resells the Goods in the Territory, Buyer shall ensure that any sales and promotional literature used, whether produced by Seller or another party, shall, in all respects, comply with all applicable laws and regulations of the Territory. (b) Arbitration. Any suit, dispute, claim, demand, controversy or cause of action of every kind and nature whatsoever, known or unknown, fixed or contingent, that Seller or Buyer may now have or at any time in the future claim to have based in whole or in part, or arising from or that in any way is related to the negotiations, execution, interpretation or enforcement of this contract (collectively, the "Disputes") shall be completely and finally settled by submission of any such Disputes to arbitration under the rules of the International Chamber of Commerce then in effect. If the parties are unable to agree on a single arbitrator, then such binding arbitration shall be conducted before a panel of three (3) arbitrators that shall be comprised of one (1) arbitrator designated by each party and a third arbitrator designated by the two (2) arbitrators selected by the parties. Unless the parties agree otherwise, the arbitration proceedings shall take place in Seattle, State of Washington, USA, and the arbitrator(s) shall apply the law of the State of Washington, USA, to all issues in dispute. All arbitration proceedings shall be conducted in English. The findings of the arbitrator(s) shall be final and binding on the parties. Judgment on such award may be entered in any court of appropriate jurisdiction, or application may be made to that court for a judicial acceptance of the award and an order of enforcement, as the party seeking to enforce that award may elect. (c) Exclusion. The UN Convention on Contracts for the Sale of International Goods is hereby excluded from application to this Agreement. (d) Language. The language of this Agreement is expressly stipulated to be the English language, and any amendments, modifications, notices or other communications provided in connection with this Agreement shall be in English. (e) Payments. Any and all payments required under this Agreement shall be made in US dollars. Notwithstanding Section 3, at Seller's option, payment for Goods ordered by Buyer from Seller, or for any other amounts owing to Seller, shall be made by means of either (i) a wire transfer to the Seller's bank account, or (ii) by an irrevocable letter credit drawn on or confirmed by a United States bank acceptable to Seller, payable upon presentation of shipping documents. Seller shall not be required to make any shipment until payment is made consistent with the terms hereof. (f) Import and Export Requirements. Buyer shall, at its own expense, obtain all import and export licenses and permits, pay customs charges and duty fees, and take all other actions required to accomplish the export and import of Goods purchased by Buyer. Buyer warrants that it will comply in all respects with the export and re-export restrictions set forth in the export license for every product shipped to Buyer, and with all export regulations of the United States or any agency thereof. Buyer will not ship or allow the Goods to be shipped into a "prohibited country," or to a "prohibited party," as identified from time to time in such export regulations.

953-175-10-001 8/99

GENERAL NOTES

1. VERIFY ALL CONDITIONS COVERING OR AFFECTING THE STRUCTURAL WORK. OBTAIN AND VERIFY ALL DIMENSIONS TO ENSURE THE PROPER STRENGTH, FIT AND LOCATION OF THE STRUCTURAL WORK. REPORT TO THE ENGINEER ANY AND ALL CONDITIONS WHICH MAY INTERFERE WITH OR OTHERWISE AFFECT OR PREVENT THE PROPER EXECUTION AND COMPLETION OF THE WORK.
2. THIS CONTRACTOR SHALL MAKE ALL NECESSARY FIELD MEASUREMENTS AS REQUIRED FOR CONNECTIONS TO ADJOINING WORK. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND ELEVATIONS SHOWN ON THE DRAWING BEFORE COMMENCING WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER'S RESIDENT ENGINEER.
3. ALL CONSTRUCTION SHALL COMPLY FULLY WITH THE APPLICABLE PROVISIONS OF NATIONAL OCCUPATIONAL SAFETY AND HEALTH REQUIREMENTS, THE LOCAL GOVERNING CODE, LATEST EDITION, AND ALL REQUIREMENTS SPECIFIED IN THE CODE SHALL BE ADHERED TO AS IF THEY WERE CALLED FOR OR SHOWN ON THE DRAWINGS. THIS SHALL NOT BE CONSTRUED TO MEAN THAT ANY REQUIREMENTS SET FORTH ON THE DRAWING MAY BE MODIFIED BECAUSE THEY ARE MORE STRINGENT THAN THE CODE REQUIREMENTS OR BECAUSE THEY ARE NOT SPECIFICALLY REQUIRED BY CODE.
4. ANY EXISTING CONSTRUCTION TO BE MODIFIED AS A PART OF THIS CONTRACT, SHALL BE REBUILT AS REQUIRED, TO THE SATISFACTION OF THE ENGINEER.
5. EXISTING CONSTRUCTION NOT UNDERGOING ALTERATION IS TO REMAIN UNDISTURBED. WHERE SUCH CONSTRUCTION IS DISTURBED AS A RESULT OF THE OPERATIONS OF THIS CONTRACT, IT SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AS REQUIRED AND TO THE SATISFACTION OF THE ENGINEER.
6. ALL WORK SHOWN ON THESE DRAWINGS MAY BE CHECKED BY AN INDEPENDENT TESTING AGENCY RETAINED BY OWNER OR PRIME CONTRACTOR TO ENSURE COMPLIANCE WITH THE REQUIREMENTS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL PROVIDE ACCESS AS REQUIRED FOR TESTING PURPOSES.
7. ALL WORK SHALL CONFORM TO THE MOST RESTRICTIVE STANDARDS OF THE FOLLOWING CODES:
 - A) CBC 2003
 - B) "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN", 9TH EDITION, AISC.
 - C) AWS D11, 1998 "STRUCTURAL WELDING CODE - STEEL" BY AWS.
 - D) AWS D4.1, 1994 "SHEET METAL WELDING CODE - STEEL" BY AWS.

STRUCTURAL STEEL - UNLESS OTHERWISE NOTED

1. ALL STRUCTURAL STEEL SHALL BE DETAILED, SHOP PRIME PAINTED, PIECE MARKED, FURNISHED, FABRICATED AND ERECTED ACCORDING TO THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN" DATED JUNE 1, 1989, AND TO THE AISC "CODE OF STANDARD PRACTICE".
2. STRUCTURAL SHAPES SHALL CONFORM TO ASTM A992 GRADE 50 ($F_y=50$ KSI), PLATES AND ANGLES SHALL CONFORM TO ASTM A-36 ($F_y=36$ KSI), STRUCTURAL TUBING SHALL CONFORM TO ASTM A-500 GRADE "B" ($F_y=46$ KSI), COLD FORMED SHAPES SHALL CONFORM TO ASTM A-653 ($F_y=50$ KSI).
3. ALL CONNECTIONS SHALL BE HIGH STRENGTH BOLTED, AS NOTED ON THE DESIGN DRAWINGS.
4. ALL STEEL SHALL BE SHOP PRIME PAINTED. FIELD TOUCH UP ALL EXPOSED STEEL OR DAMAGED PRIME PAINTED SURFACES.
5. STRUCTURAL STEEL SHALL NOT BE ALTERED IN THE FIELD FROM THAT SHOWN ON THE DESIGN DRAWINGS. MISMATCHED HOLES SHALL BE REAMED TO A LARGER DIAMETER. CUTTING, BURNING, OR WELDING NOT SHOWN ON DESIGN DRAWINGS SHALL NOT BE PERFORMED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ENGINEER.

WELDING

1. WELDING SHALL BE IN ACCORDANCE WITH "STRUCTURAL WELDING CODE-STEEL" D11-90 AMERICAN WELDING SOCIETY DATED NOV. 13, 1991. ELECTRODES FOR WELDING SHALL BE IN ACCORDANCE WITH AWS 51 OR 55, E70XX.
2. ALL WELDED JOINTS SHALL BE MADE USING THOSE PREQUALIFIED OR QUALIFIED PER CHAPTER 5 OF THE STRUCTURAL WELDING CODE OF THE AMERICAN WELDING SOCIETY (AWS). ALL QUALIFIED JOINTS ARE LIMITED TO THOSE MADE BY THE FOLLOWING WELDING PROCEDURES:

MANUAL SHIELDED METAL ARC, SUBMERGED ARC, GAS METAL ARC (EXCEPT SHORT CIRCUITING TRANSFER), AND FLUX-CORED ARC.

3. WELDS SHALL BE MADE ONLY BY WELDERS AND WELDING OPERATORS WHO HAVE BEEN PREVIOUSLY QUALIFIED BY TESTS AS PRESCRIBED BY THE STRUCTURAL WELDING CODE OF THE AMERICAN WELDING SOCIETY AND HAVE CURRENT PAPERS FOR THE TYPE OF JOINT TO BE WELDED.
4. CONTRACTOR TO SUBMIT CURRENT WELDER QUALIFICATION CERTIFICATION TO ENGINEER PRIOR TO COMMENCING INSTALLATION.
5. THE MINIMUM SIZE FILLET WELD SHALL BE 3/16 INCH UNLESS THE SIZE AND LENGTH OF ALL FILLETS SHALL BE PROPORTIONED NOT TO LOGICALLY OVERSTRESS THE CONNECTED MEMBERS.
6. BEFORE WELDING MEMBERS TO EXISTING BEAMS OR COLUMNS, THOROUGHLY CLEAN ALL SURFACES TO REMOVE RUST, PAINT, DIRT OR OTHER FOREIGN MATTER IN THE AREA OF WELD.
7. WHERE WELDING IS USED, THE OWNER OR PRIME CONTRACTOR MAY DECIDE TO MAKE NON-DESTRUCTIVE TESTS OF THE WELDS USING RADIOGRAPHY, ULTRASONIC TESTING, MAGNETIC PARTICLE TESTING AND DIE PENETRANT TESTING IN COMBINATION OR, SINGULARLY, THE NON-DESTRUCTIVE INVESTIGATION WILL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY QUALIFIED IN THIS TYPE OF WORK. THE COST OF THIS INVESTIGATION WILL BE ASSUMED BY THE OWNER OR PRIME CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ACCESS AS REQUIRED FOR TESTING LAB PERSONNEL.
8. WELD ACCEPTABILITY SHALL BE BASED ON AWS D11-90 "STRUCTURAL WELDING CODE-STEEL". IN THE EVENT THE WELDING IS NOT ACCEPTABLE, THE CONTRACTOR SHALL REMOVE ALL REJECTED WELDING AND REWELD ALL SUCH AREAS. THE CONTRACTOR WILL THEN ASSUME ALL COSTS IN CONNECTION WITH THE REWELDING AND RE-EXAMINATION OF THE RE-WELDED CONNECTIONS, UNTIL WELDING IS ACCEPTED.

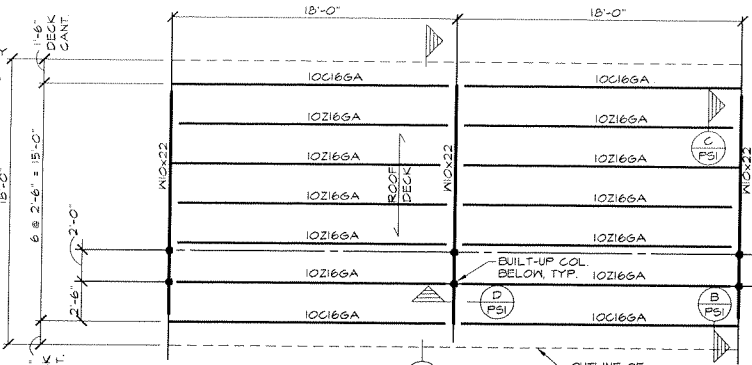
CONCRETE NOTES

CAST - IN - PLACE CONCRETE

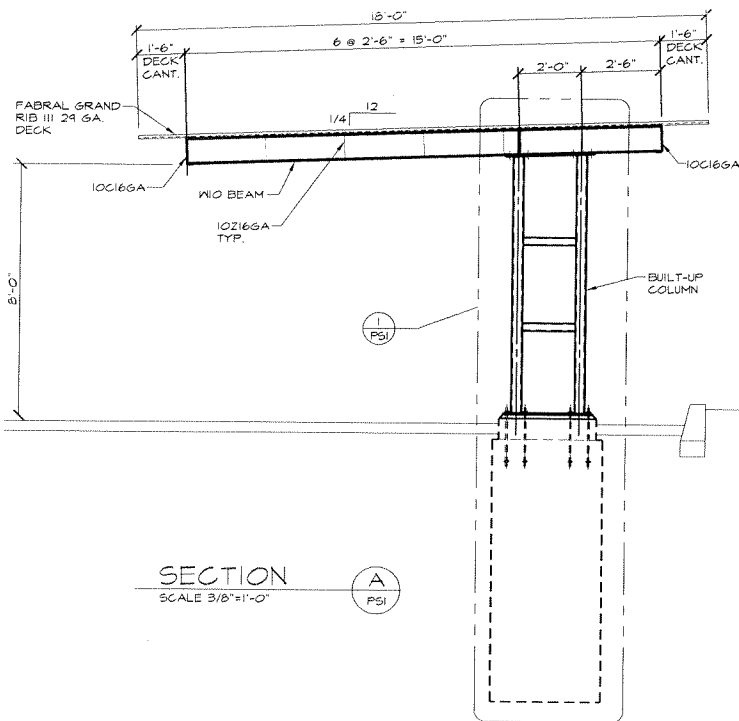
1. ALL CONCRETE SHALL BE IN ACCORDANCE WITH ACI 318 LATEST EDITION.
2. ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI. IF SPECIAL INSPECTION OF CONCRETE STRENGTH IS REQUIRED, OWNER TO BE RESPONSIBLE FOR SUCH COSTS RELATED TO INSPECTION.
3. MAXIMUM SLUMP SHALL BE 4". ENTRAINMENT SHALL BE 4% ± 1/2%. SUB-CONTRACTOR SHALL SUBMIT PROPOSED MIX DESIGN FOR APPROVAL, AS WELL AS PROVIDE TEST CYLINDERS TO THE BUILDER AT TIME OF CONSTRUCTION. CEMENT SHALL BE PORTLAND CEMENT COMPLYING WITH ASTM DESIGNATION C-150 "STANDARD SPECIFICATIONS FOR PORTLAND CEMENT", TYPE I NORMAL PORTLAND CEMENT, FOR GENERAL CONCRETE CONSTRUCTION.

FOOTINGS

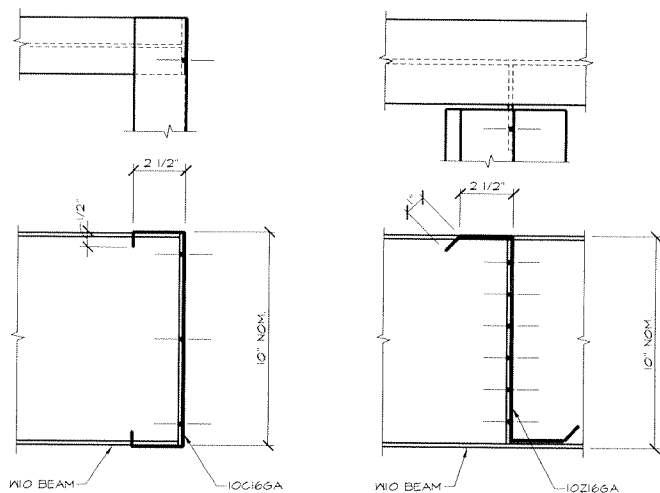
1. CONTRACTOR SHALL VERIFY ALL CONDITIONS, INCLUDING UNDERGROUND UTILITIES AND FIELD MEASUREMENTS AT JOB SITE AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
2. COMPLY FULLY WITH REQUIREMENTS OF OSHA AND OTHER REGULATORY AGENCIES FOR SAFETY PROVISIONS.
3. MINIMUM DEPTHS OF FOOTINGS ARE AS SHOWN ON THE DRAWINGS. IN ALL CASES, FOOTINGS ARE TO BEAR ON UNDISTURBED NATURAL SOILS HAVING A MINIMUM NET ALLOWABLE BEARING CAPACITY OF 3000 PSF. ALL FOOTING DEPTHS ARE SUBJECT TO THE REVIEW OF THE ENGINEERS REPRESENTATIVE.



TYPICAL 18'-0" X 18'-0" BAY FRAMING PLAN
SCALE 3/8"=1'-0"

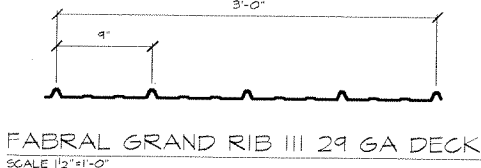


SECTION A-A
SCALE 3/8"=1'-0"

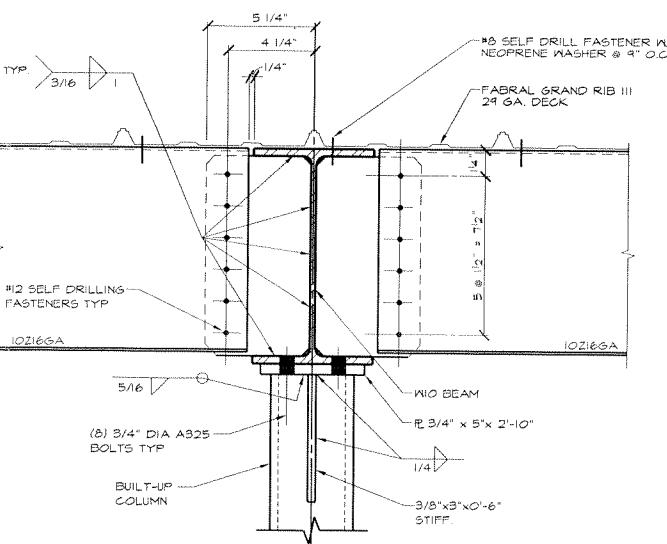


SECTION B-B
SCALE 3/8"=1'-0"

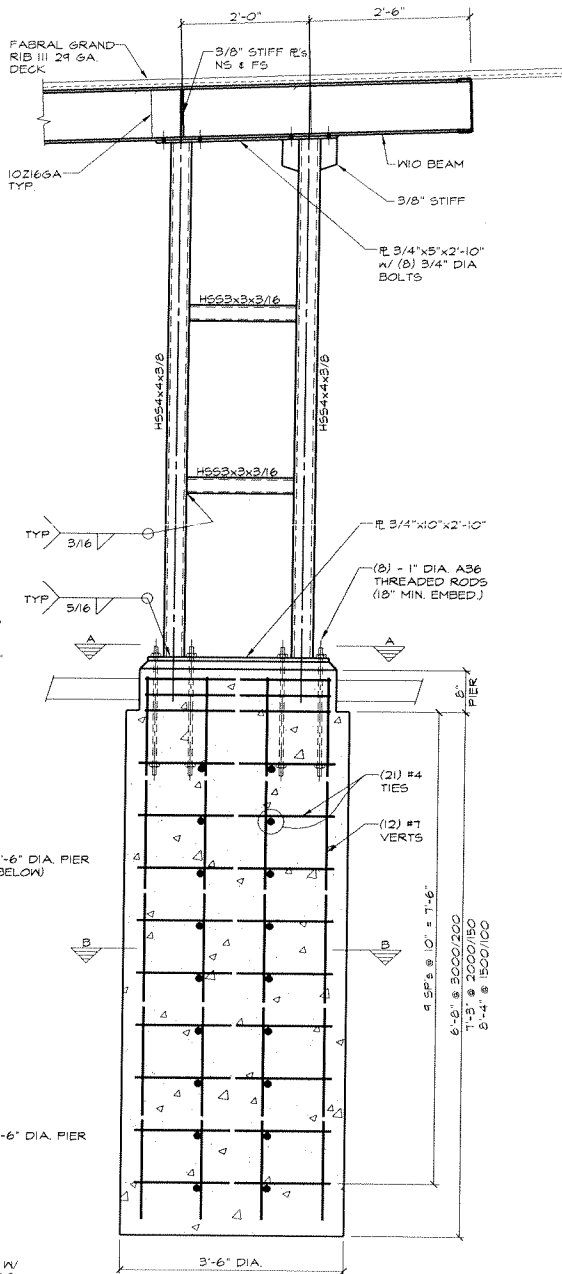
SECTION C-C
SCALE 3/8"=1'-0"



FABRAL GRAND RIB III 29 GA DECK
SCALE 1/2"=1'-0"



SECTION D-D
SCALE 3/8"=1'-0"



SECTION E-E
SCALE 3/8"=1'-0"



Carport Structures Corp.
1805 Metamora Road
Oxford, Michigan 48371
Tel. (248) 628-5571 Fax (248) 628-5260

CS²
COMPREHENSIVE
STRUCTURAL
SERVICES, INC.
1010 COMLE ST.
DETROIT, MI 48227
TEL. (313) 653-4130
FAX (313) 653-4132

CITY OF LOMA LINDA
CIVIC CENTER
PARKING CANOPIES
25571 BARTON ROAD
LOMA LINDA, CA 92354

FRAMING PLAN,
SECTIONS & DETAILS
9'-0" X 18'-0"
OFFSET T STYLE
"STRAIGHT ON PARKING"
CARPORT

PERMITS 3-31-06

Drawn By DJH

Checked By DAW

Approved By DAW

Project no.

06-008

PS-1

GENERAL NOTES

1. VERIFY ALL CONDITIONS COVERING OR AFFECTING THE STRUCTURAL WORK. OBTAIN AND VERIFY ALL DIMENSIONS TO ENSURE THE PROPER STRENGTH, FIT AND LOCATION OF THE STRUCTURAL WORK. REPORT TO THE ENGINEER ANY AND ALL CONDITIONS WHICH MAY INTERFERE WITH OR OTHERWISE AFFECT OR PREVENT THE PROPER EXECUTION AND COMPLETION OF THE WORK.
2. THIS CONTRACTOR SHALL MAKE ALL NECESSARY FIELD MEASUREMENTS AS REQUIRED FOR CONNECTIONS TO ADJOINING WORK. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND ELEVATIONS SHOWN ON THE DRAWINGS BEFORE COMMENCING WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER'S RESIDENT ENGINEER.
3. ALL CONSTRUCTION SHALL COMPLY FULLY WITH THE APPLICABLE PROVISIONS OF NATIONAL OCCUPANCY SAFETY AND HEALTH REQUIREMENTS, THE LOCAL GOVERNING CODE, LATEST EDITION, AND ALL REQUIREMENTS SPECIFIED IN THE CODE SHALL BE ADHERED TO AS IF THEY WERE CALLED FOR OR SHOWN ON THE DRAWINGS. THIS SHALL NOT BE CONSTRUED TO MEAN THAT ANY REQUIREMENTS SET FORTH ON THE DRAWING MAY BE MODIFIED BECAUSE THEY ARE MORE STRINGENT THAN THE CODE REQUIREMENTS OR BECAUSE THEY ARE NOT SPECIFICALLY REQUIRED BY CODE.
4. ANY EXISTING CONSTRUCTION TO BE MODIFIED AS A PART OF THIS CONTRACT, SHALL BE REBUILT AS REQUIRED, TO THE SATISFACTION OF THE ENGINEER.
5. EXISTING CONSTRUCTION NOT UNDERGOING ALTERATION IS TO REMAIN UNDISTURBED. WHERE SUCH CONSTRUCTION IS DISTURBED AS A RESULT OF THE OPERATIONS OF THIS CONTRACT, IT SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AS REQUIRED AND TO THE SATISFACTION OF THE ENGINEER.
6. ALL WORK SHOWN ON THESE DRAWINGS MAY BE CHECKED BY AN INDEPENDENT TESTING AGENCY RETAINED BY OWNER OR PRIME CONTRACTOR TO ENSURE COMPLIANCE WITH THE REQUIREMENTS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL PROVIDE ACCESS AS REQUIRED FOR TESTING PURPOSES.
7. ALL WORK SHALL CONFORM TO THE MOST RESTRICTIVE STANDARDS OF THE FOLLOWING CODES:
 - A) CBC 2003
 - B) SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN, 11TH EDITION, AISC
 - C) AWS D11, 1988 "STRUCTURAL WELDING CODE - STEEL" BY AWS
 - D) AWS D1.1, 1994 "SHEET METAL WELDING CODE - STEEL" BY AWS

STRUCTURAL STEEL - UNLESS OTHERWISE NOTED

1. ALL STRUCTURAL STEEL SHALL BE DETAILED, SHOP PRIME PAINTED, PIECE MARKED, FURNISHED, FABRICATED AND ERECTED ACCORDING TO THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN" DATED JUNE 1, 1989, AND TO THE AISC "CODE OF STANDARD PRACTICE".
2. STRUCTURAL SHAPES SHALL CONFORM TO ASTM A992 GRADE 50 (FY=50 KSI), PLATES AND ANGLES SHALL CONFORM TO ASTM A-36 (FY=36 KSI), STRUCTURAL TUBING SHALL CONFORM TO ASTM A-500 GRADE "B" (FY=46 KSI), COLD FORMED SHAPE SHALL CONFORM TO ASTM A-653 (FY=50 KSI).
3. ALL CONNECTIONS SHALL BE HIGH STRENGTH BOLTED, AS NOTED ON THE DESIGN DRAWINGS.
4. ALL STEEL SHALL BE SHOP PRIME PAINTED, FIELD TOUCH UP ALL EXPOSED STEEL OR DAMAGED PRIME PAINTED SURFACES.
5. STRUCTURAL STEEL SHALL NOT BE ALTERED IN THE FIELD FROM THAT SHOWN ON THE DESIGN DRAWINGS. MISMATCHED HOLES SHALL BE REAMED TO A LARGER DIAMETER. CUTTING, BURNING, OR WELDING NOT SHOWN ON DESIGN DRAWINGS SHALL NOT BE PERFORMED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ENGINEER.

WELDING

1. WELDING SHALL BE IN ACCORDANCE WITH "STRUCTURAL WELDING CODE-STEEL" D11-98 AMERICAN WELDING SOCIETY DATED NOV. 13, 1991. ELECTRODES FOR WELDING SHALL BE IN ACCORDANCE WITH AWS 51 OR 55, E70XX.
2. ALL WELDED JOINTS SHALL BE MADE USING THOSE PREQUALIFIED OR QUALIFIED PER CHAPTER 5 OF THE STRUCTURAL WELDING CODE OF THE AMERICAN WELDING SOCIETY (AWS). ALL QUALIFIED JOINTS ARE LIMITED TO THOSE MADE BY THE FOLLOWING WELDING PROCEDURES:

MANUAL SHIELDED METAL ARC, SUBMERGED ARC, GAS METAL ARC (EXCEPT SHORT CIRCUITING TRANSFER), AND FLUX-CORED ARC.
3. WELDS SHALL BE MADE ONLY BY WELDERS AND WELDING OPERATORS WHO HAVE BEEN PREVIOUSLY QUALIFIED BY TESTS AS PRESCRIBED BY THE STRUCTURAL WELDING CODE OF THE AMERICAN WELDING SOCIETY AND HAVE CURRENT PAPERS FOR THE TYPE OF JOINT TO BE WELDED.
4. CONTRACTOR TO SUBMIT CURRENT WELDER QUALIFICATION CERTIFICATION TO ENGINEER PRIOR TO COMMENCING INSTALLATION.
5. THE MINIMUM SIZE FILLET WELD SHALL BE 3/16 INCH UNO, THE SIZE AND LENGTH OF ALL FILLETS SHALL BE PROPORTIONED NOT TO LOCALLY OVERSTRESS THE CONNECTED MEMBERS.
6. BEFORE WELDING MEMBERS TO EXISTING BEAMS OR COLUMNS, THOROUGHLY CLEAN ALL SURFACES TO REMOVE RUST, PAINT, DIRT OR OTHER FOREIGN MATTER IN THE AREA OF WELD.
7. WHERE WELDING IS USED, THE OWNER OR PRIME CONTRACTOR MAY DECIDE TO MAKE NON-DESTRUCTIVE TESTS OF THE WELDS USING RADIOGRAPHY, ULTRASONIC TESTING, MAGNETIC PARTICLE TESTING AND DIE PENETRANT TESTING IN COMBINATION OR SIMULANEOUSLY. THE NON-DESTRUCTIVE INVESTIGATION WILL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY QUALIFIED IN THIS TYPE OF WORK. THE COST OF THIS INVESTIGATION WILL BE ASSUMED BY THE OWNER OR PRIME CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ACCESS AS REQUIRED FOR TESTING LAB PERSONNEL.
8. WELD ACCEPTABILITY SHALL BE BASED ON AWS D11-98 "STRUCTURAL WELDING CODE-STEEL". IN THE EVENT THE WELDING IS NOT ACCEPTABLE, THE CONTRACTOR SHALL REMOVE ALL REJECTED WELDING AND REWELD ALL SUCH AREAS. THE CONTRACTOR WILL THEN ASSUME ALL COSTS IN CONNECTION WITH THE REWELDING AND RE-EXAMINATION OF THE RE-WELDED CONNECTIONS, UNTIL WELDING IS ACCEPTED.

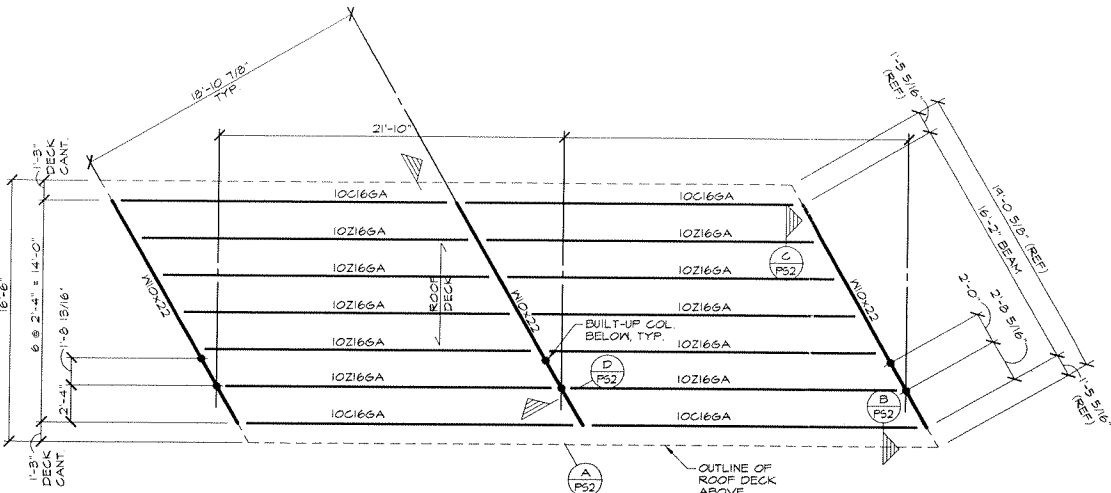
CONCRETE NOTES

CAST - IN - PLACE CONCRETE

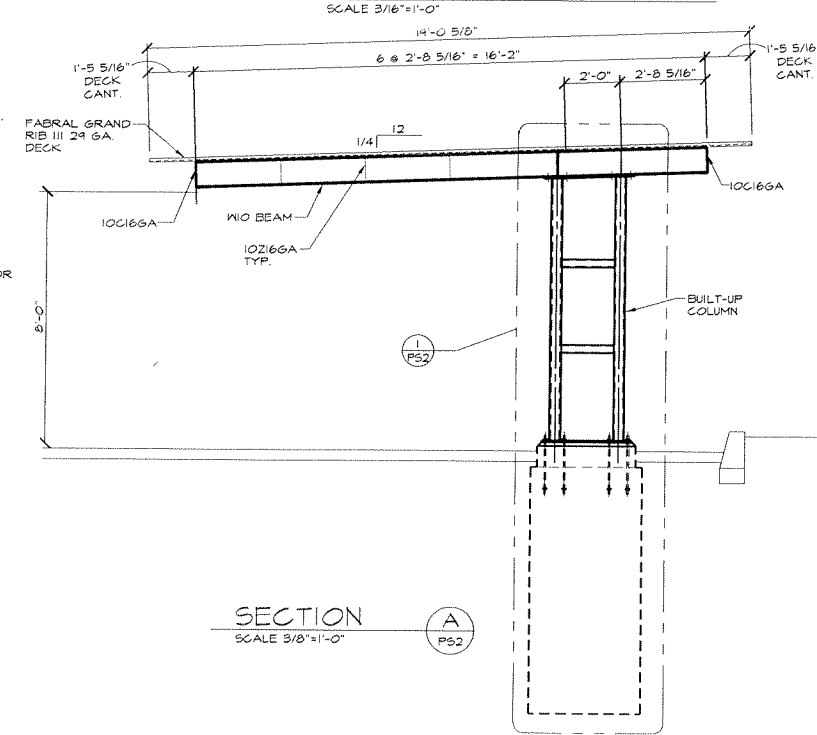
1. ALL CONCRETE SHALL BE IN ACCORDANCE WITH ACI 318 LATEST EDITION.
2. ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI. IF SPECIAL INSPECTION OF CONCRETE STRENGTH IS REQUIRED, OWNER TO BE RESPONSIBLE FOR SUCH COSTS RELATED TO INSPECTION.
3. MAXIMUM SLUMP SHALL BE 4". ENTRAINMENT SHALL BE 4% ± 1%. SUB-CONTRACTOR SHALL SUBMIT PROPOSED MIX DESIGN FOR APPROVAL, AS WELL AS PROVIDE TEST CYLINDERS TO THE BUILDER AT TIME OF CONSTRUCTION. CEMENT SHALL BE PORTLAND CEMENT COMPLYING WITH ASTM DESIGNATION C-150 "STANDARD SPECIFICATIONS FOR PORTLAND CEMENT", TYPE I NORMAL PORTLAND CEMENT, FOR GENERAL CONCRETE CONSTRUCTION.

FOOTINGS

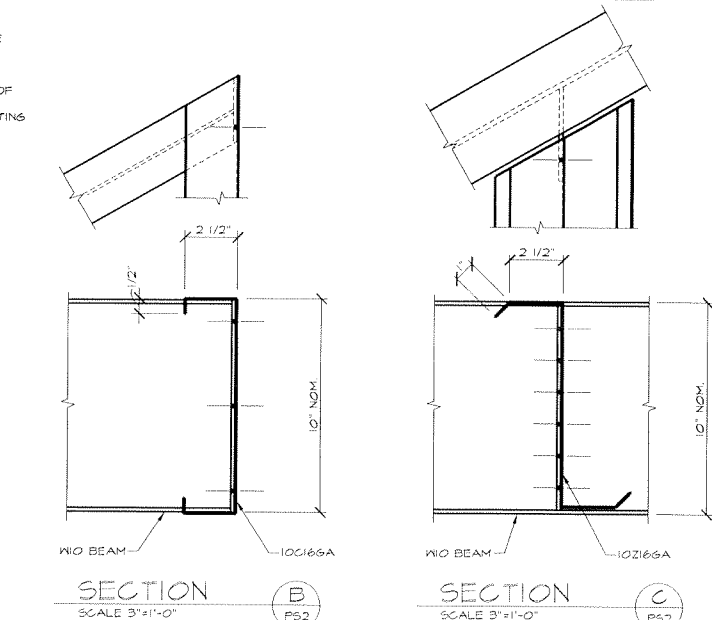
1. CONTRACTOR SHALL VERIFY ALL CONDITIONS, INCLUDING UNDERGROUND UTILITIES AND FIELD MEASUREMENTS AT JOB SITE AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
2. COMPLY FULLY WITH REQUIREMENTS OF OSHA AND OTHER REGULATORY AGENCIES FOR SAFETY PROVISIONS.
3. MINIMUM DEPTHS OF FOOTINGS ARE AS SHOWN ON THE DRAWINGS. IN ALL CASES, FOOTINGS ARE TO BEAR ON UNDISTURBED NATURAL SOILS HAVING A MINIMUM NET ALLOWABLE BEARING CAPACITY OF 3000 PSF. ALL FOOTING DEPTHS ARE SUBJECT TO THE REVIEW OF THE ENGINEER'S REPRESENTATIVE.



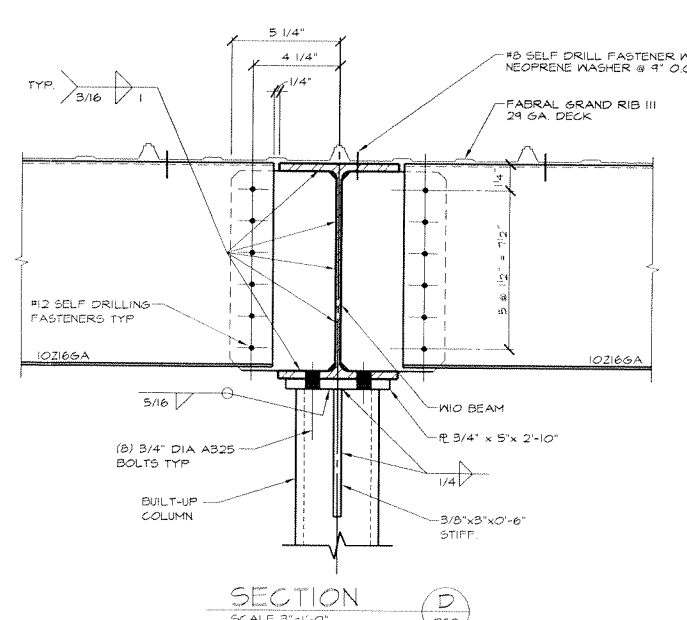
TYPICAL BAY FRAMING PLAN
SCALE 3/16"=1'-0"



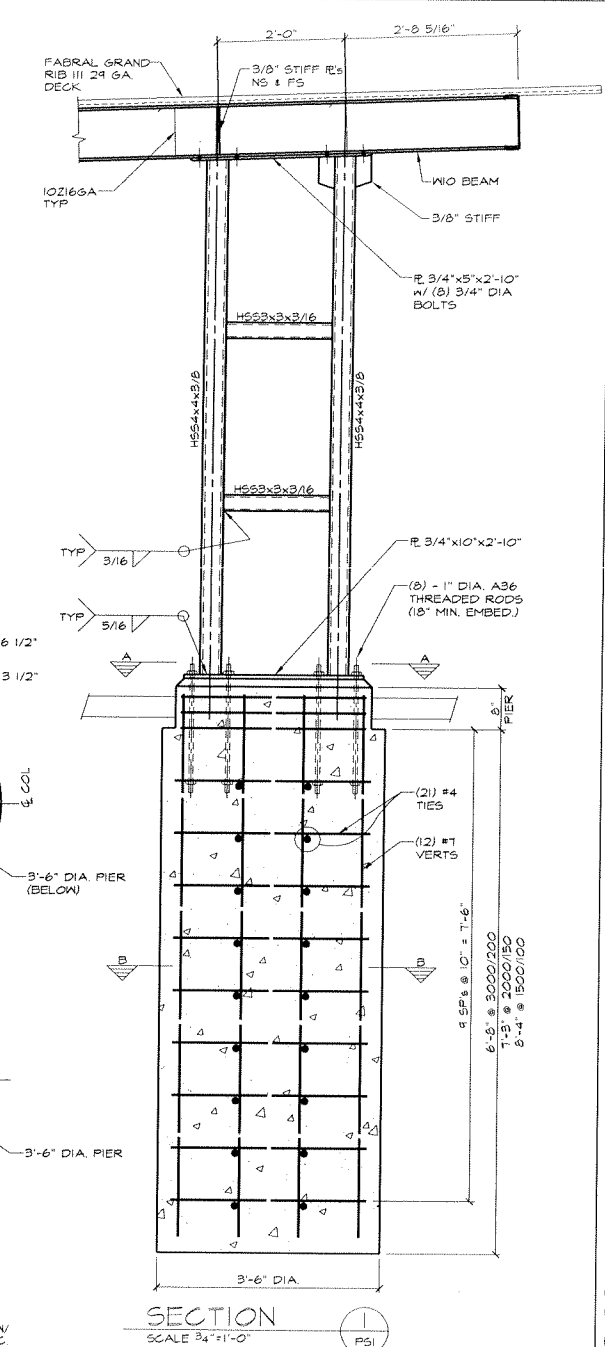
SECTION A-A
SCALE 3/8"=1'-0"



SECTION B-B
SCALE 3"=1'-0"



SECTION C-C
SCALE 3"=1'-0"



SECTION D-D
SCALE 3/4"=1'-0"

FABRAL GRAND RIB III 29 GA DECK
SCALE 1/2"=1'-0"



Carport Structures Corp.
1805 Metamora Road
Oxford, Michigan 48371
Tel. (248) 628-5571 Fax (248) 628-5260

CS² COMPREHENSIVE
STRUCTURAL
SERVICES, INC.
1210 COYLE ST.
DETROIT, MI 48221
TEL (313) 653-4130
FAX (313) 653-4132

CITY OF LOMA LINDA
CIVIC CENTER
PARKING CANOPIES
25571 BARTON ROAD
LOMA LINDA, CA 92354

FRAMING PLAN,
SECTIONS & DETAILS
9'-0" x 18'-0"
OFFSET T STYLE
"DIAGONAL PARKING"
CARPORT

PERMITS 331-06

Drawn By DJH
Checked By DAW
Approved By DAW

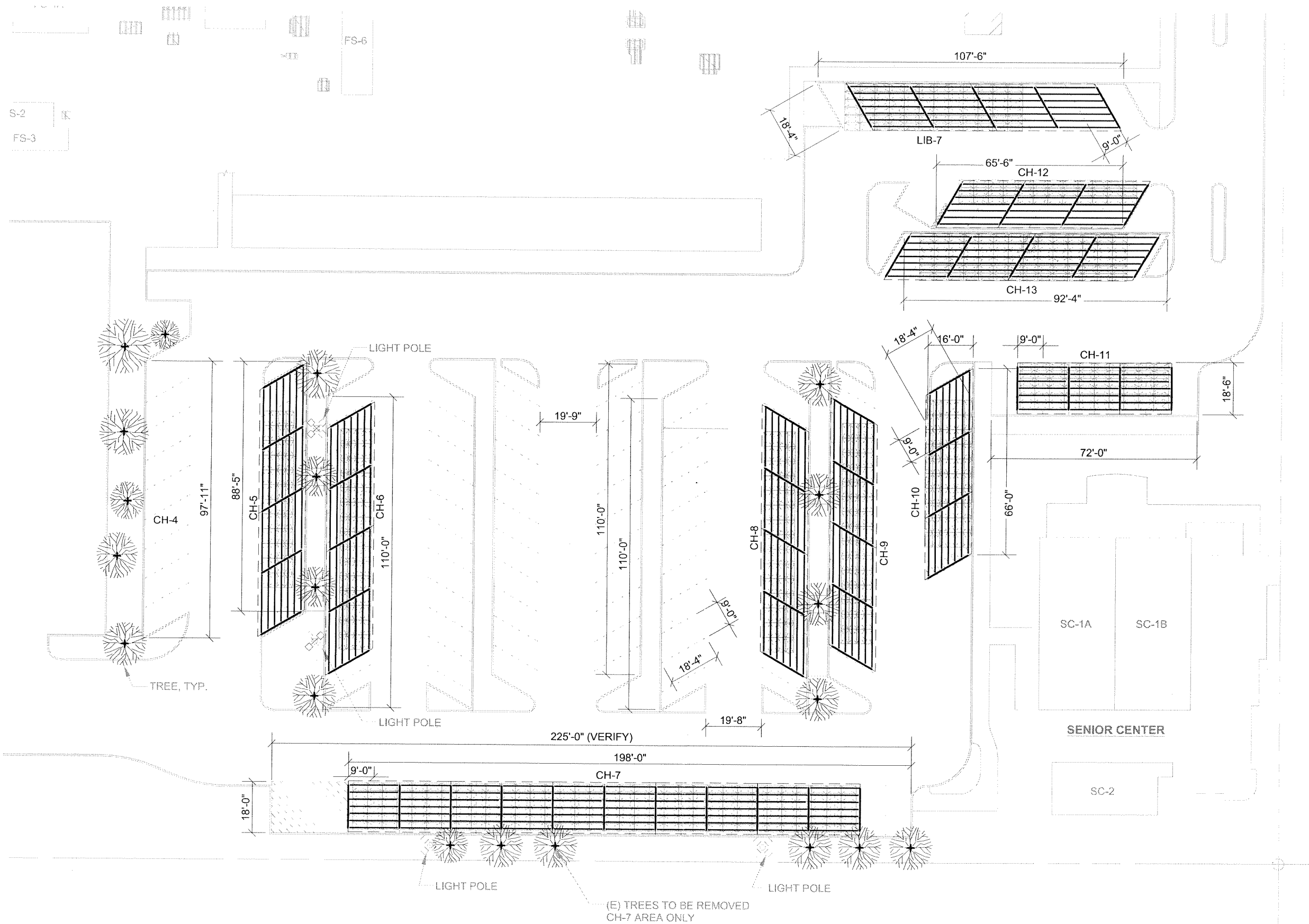
Project no

06-008

Sheet no

PS-2

4/24/2006 5:30:49 PM



CARPORT LAYOUT PLAN
SCALE: 1/16" = 1'-0"



Carport Structures Corp.
1805 Metamora Road
Oxford, Michigan 48371
Tel. (248) 628-5571 Fax (248) 628-5260

CS² COMPREHENSIVE
STRUCTURAL
SERVICES, INC.
1210 GUYLE ST.
DETROIT, MI 48227
TEL. (313) 433-4130
FAX (313) 655-4132

Project

CITY OF LOMA LINDA
CIVIC CENTER
PARKING CANOPIES
25571 BARTON ROAD
LOMA LINDA, CA 92354

Sheet

CARPORT LAYOUT
PLAN

PERMITS

3-31-06

Issued For

Drawn By

DJH

Checked By

DAW

Approved By

DAW

Project no.

06-008

Sheet no.

PS-3